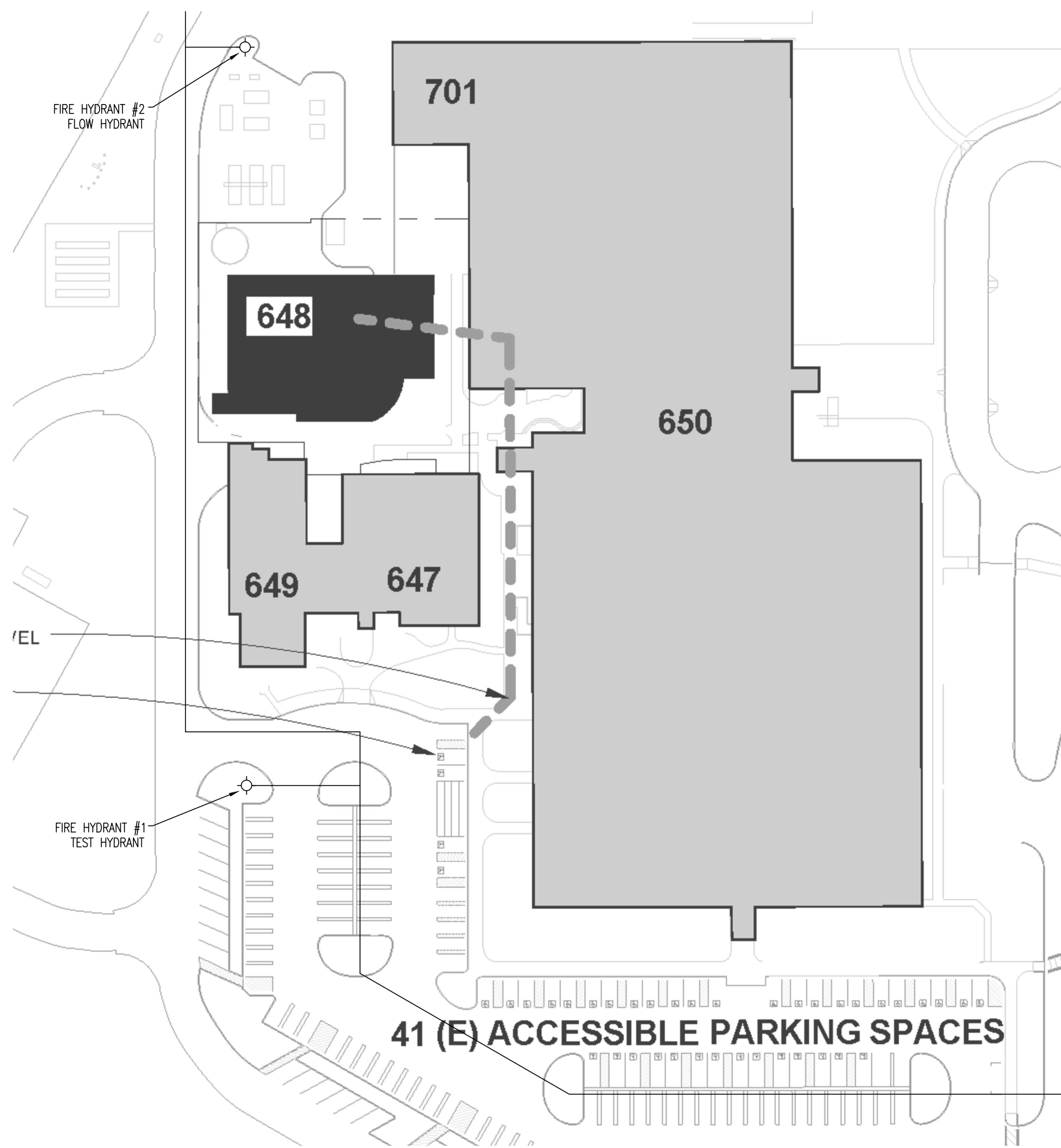
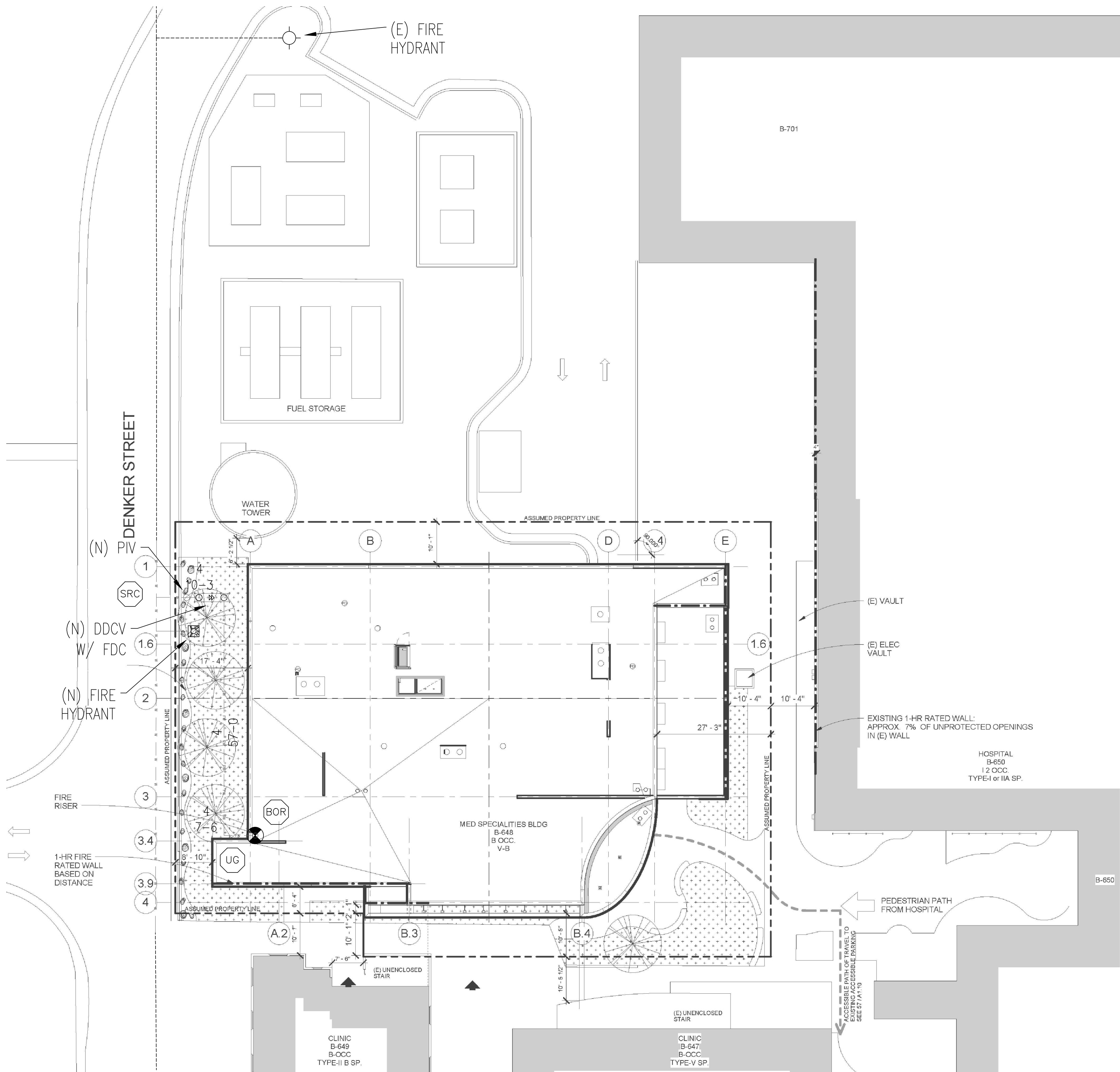


PENETRATION DETAIL

WATER FLOW TEST INFORMATION	
STATIC (PSI)	95
RESIDUAL (PSI)	92
FLOW (GPM)	839
DATE	12/06/2013
TIME	10:45 am
TEST LOCATION: VA Mather - MEDICAL SPECIALTIES	
BLDG 648, 10535 HOSPITAL WAY, MATHER, CA	
OBTAINED FROM MARQUEE FIRE PROTECTION	



HYDRANT FLOW TEST PLAN
NTS



UNDERGROUND SITE PLAN

1. INFORMATION SHOWN IS FOR REFERENCE OF HYDRAULIC DESIGN INFORMATION ONLY. DESIGN AND INSTALLATION IS BY OTHERS.
2. U.G. PIPING SHALL BE FLUSHED AND TESTED (BY OTHERS) BEFORE TIE-IN.

SHEET INDEX

- FP-1 - FIRE SPRINKLER SITE PLAN
FP-2 - FIRE SPRINKLER 1ST FLOOR PLAN
FP-3 - FIRE SPRINKLER 2ND FLOOR PLAN

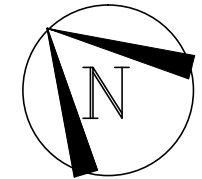
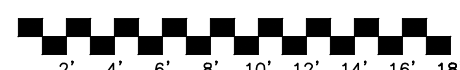
GENERAL NOTES

1. THE AUTOMATIC SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE 2010 EDITION OF NFPA 13.
2. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. (SEE DETAIL)
3. MARQUEE FIRE PROTECTION TO PROVIDE FIRE SPRINKLER DESIGN SERVICES FOR THE NEW MEDICAL SPECIALTIES BUILDING.
4. ALL ELECTRICAL WIRING TO BE PERFORMED BY OTHERS.
5. ARMOVERS LONGER THAN 24" SHALL BE PROVIDED WITH A HANGER.
6. THE NEW SYSTEM IS HYDRAULICALLY CALCULATED. (SEE PIPING PLAN)
7. NEW PIPING SHALL BE SUPPLIED FROM 4" UNDERGROUND.
8. UPON COMPLETION, THE OVERHEAD SYSTEM SHALL BE TESTED AT 200 PSI FOR TWO (2) HOURS. (BEFORE TIE-IN)
9. BUILDING CONSTRUCTION IS OF NON-COMBUSTIBLE CONSTRUCTION.
10. OWNER: DEPARTMENT OF VETERAN AFFAIRS
NETWORK CONTRACTING OFFICE 21
5342 DUDLEY BLVD., BLDG 209
MCLELLAN PARK, CA 95652
11. FOR INSPECTION CALL:
12. EXCLUSIONS (WORK BY OTHERS):
 1. Fire Alarm Design.
 2. Fire Extinguishing Cabinets Design.

DESIGN BUILD PROJECT:

DESIGN IS BASED UPON ISSUED CONTRACT DOCUMENTS
DATED: 1 / 17 / 2013. MARQUEE FIRE PROTECTION DESIGN
IS BASED ON ALL APPLICABLE CODES. MARQUEE FIRE
PROTECTION IS NOT RESPONSIBLE FOR ARCHITECTS AND
OWNER CHANGES.

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING
HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF
MARQUEE FIRE PROTECTION AND MAY NOT BE
DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN
CONSENT OF MARQUEE FIRE PROTECTION. AS A C-16
CONTRACTOR, OUR ERRORS AND OMISSIONS INSURANCE
REQUIRES US TO INSTALL THE FIRE SPRINKLER SYSTEM WE
DESIGN.



LEGEND	SYMBOL	DESCRIPTION
2-WAY EARTHQUAKE BRACE	[Symbol]	2-WAY EARTHQUAKE BRACE
4-WAY EARTHQUAKE BRACE	[Symbol]	4-WAY EARTHQUAKE BRACE
FLEXIBLE GROOVED COUPLING	[Symbol]	FLEXIBLE GROOVED COUPLING
ROD "S-FLEX" DRIFT COUPLING	[Symbol]	ROD "S-FLEX" DRIFT COUPLING
GROOVED CAP	[Symbol]	GROOVED CAP
APPROX. HANGER LOCATION	[Symbol]	APPROX. HANGER LOCATION
HYDRAULIC REFERENCE NODE	[Symbol]	HYDRAULIC REFERENCE NODE
SYSTEM RISER	[Symbol]	SYSTEM RISER
PIPE ELEVATION	[Symbol]	PIPE ELEVATION
CEILING HEIGHT	[Symbol]	CEILING HEIGHT
UNDER FLOOR	[Symbol]	UNDER FLOOR
ABOVE FLOOR	[Symbol]	ABOVE FLOOR
BELOW TOP OF STEEL	[Symbol]	BELOW TOP OF STEEL
BOTTOM OF BEAM	[Symbol]	BOTTOM OF BEAM
BOTTOM OF FRAMING	[Symbol]	BOTTOM OF FRAMING
CUT ON JOB	[Symbol]	CUT ON JOB
THROUGH ONE END	[Symbol]	THROUGH ONE END
GROOVE ONE END	[Symbol]	GROOVE ONE END
GROOVE + GROOVE	[Symbol]	GROOVE + GROOVE
THROUGH + GROOVE	[Symbol]	THROUGH + GROOVE
TOP OF RISER	[Symbol]	TOP OF RISER
FLANGE + GROOVE	[Symbol]	FLANGE + GROOVE
BOTTOM OF RISER	[Symbol]	BOTTOM OF RISER
WALLABLE COUPLING	[Symbol]	WALLABLE COUPLING
UNDERGROUND	[Symbol]	UNDERGROUND
CONCRETE	[Symbol]	CONCRETE
STEEL PIPE	[Symbol]	STEEL PIPE
DRIFT UP	[Symbol]	DRIFT UP
DRIFT IS SPRINKLER	[Symbol]	DRIFT IS SPRINKLER
EXISTING	[Symbol]	EXISTING
NEW	[Symbol]	NEW
RELOCATE	[Symbol]	RELOCATE
ESCUTCHEON	[Symbol]	ESCUTCHEON
STYLMOUNT ORIF. X-FACTOR	[Symbol]	STYLMOUNT ORIF. X-FACTOR
NPT	[Symbol]	NPT
MFG. TEMP.	[Symbol]	MFG. TEMP.
FINISH	[Symbol]	FINISH
RESPONSE-STYLE	[Symbol]	RESPONSE-STYLE
S.T.N.	[Symbol]	S.T.N.
MODEL	[Symbol]	MODEL
00 = TOTAL SPRINKLERS THIS SHEET	[Symbol]	00 = TOTAL SPRINKLERS THIS SHEET

VA MEDICAL SPECIALTIES BUILDING 648 - Mather Campus
10535 Hospital Way, Mather, CA. 95655

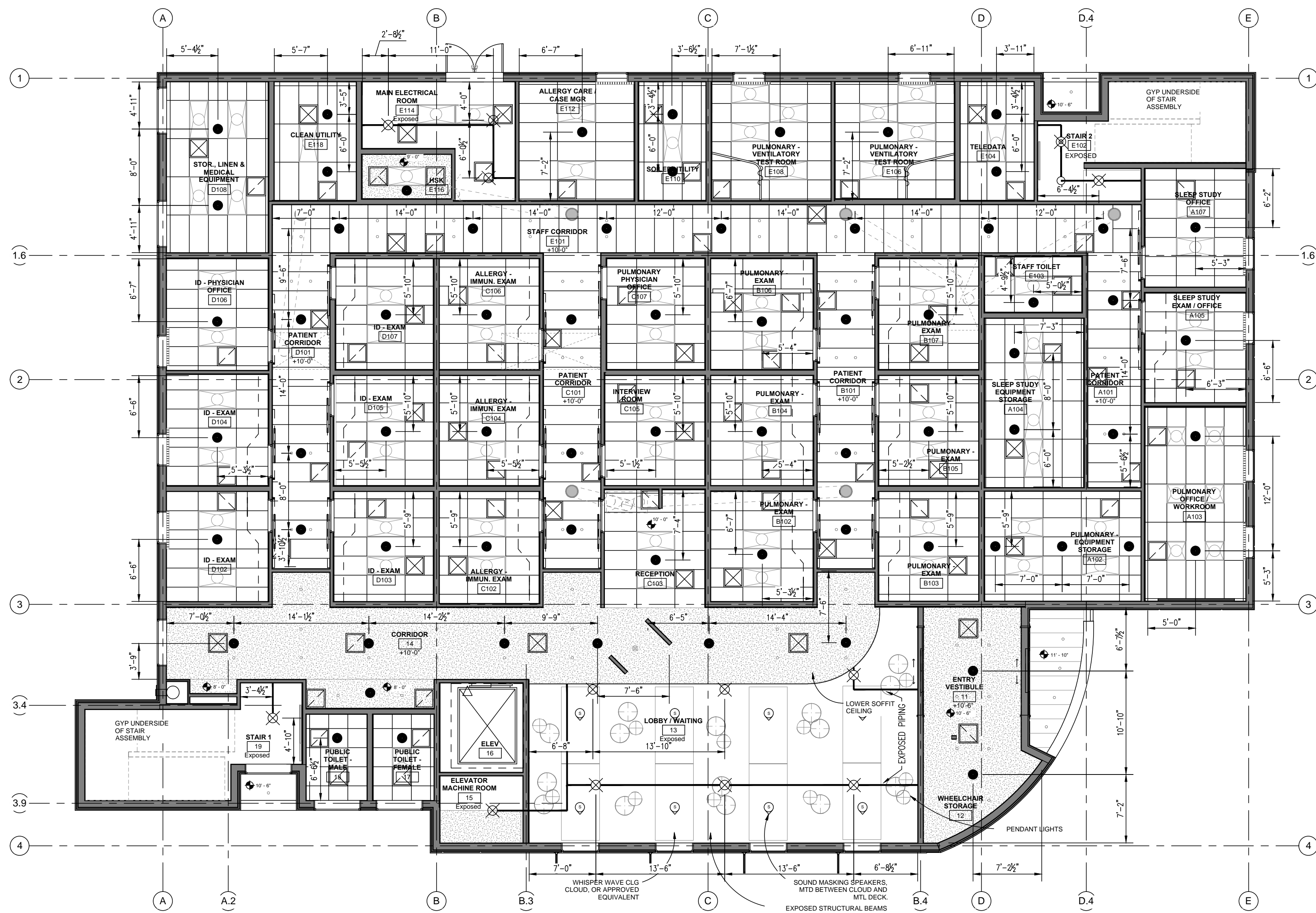
PROJECT NO: 612-122

SITE PLAN

100% CONSTRUCTION DOCUMENTS

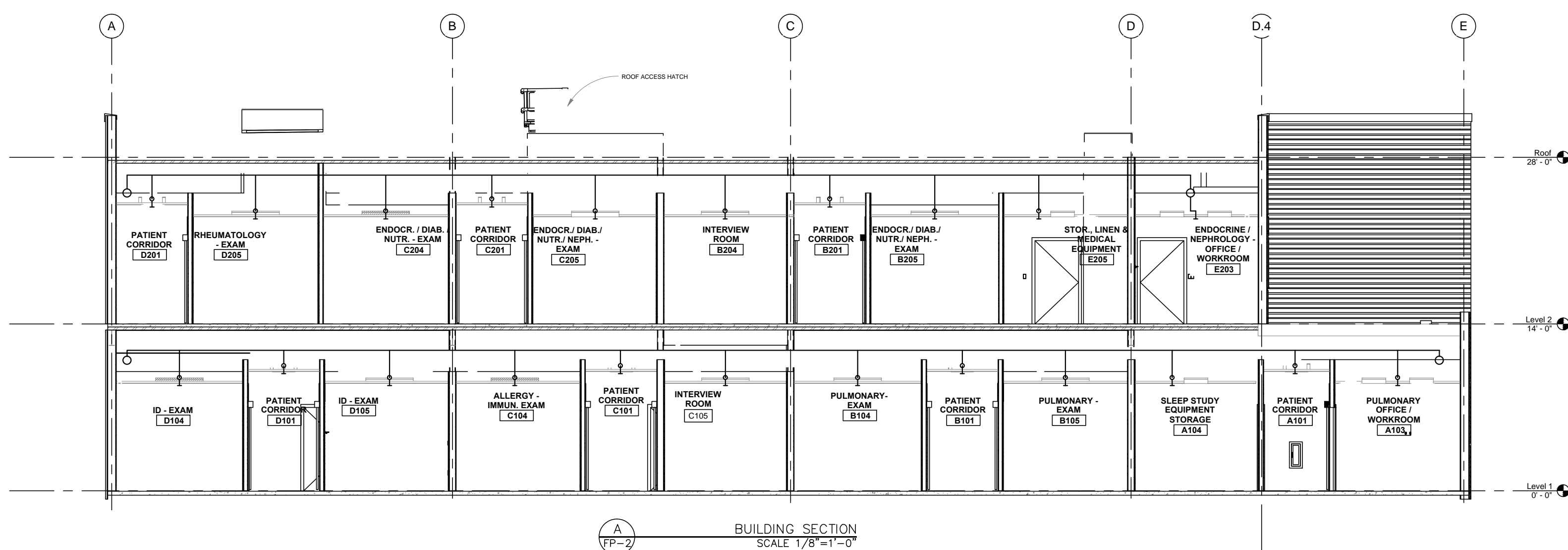
REV.	DATE	REVISION	BY	Scale:
				1/16" = 1'-0"
				Drawn: Tom Hintz
				Job No: 1812-951
				Sheet: FP-1
				Of 3 Sheets

710 W. Stadium Lane
Sacramento, CA 95834-1130
TEL 916. 641-7997 / 707. 642-7905
FAX 916. 641-7975
CA. LIC. 570970 C-16

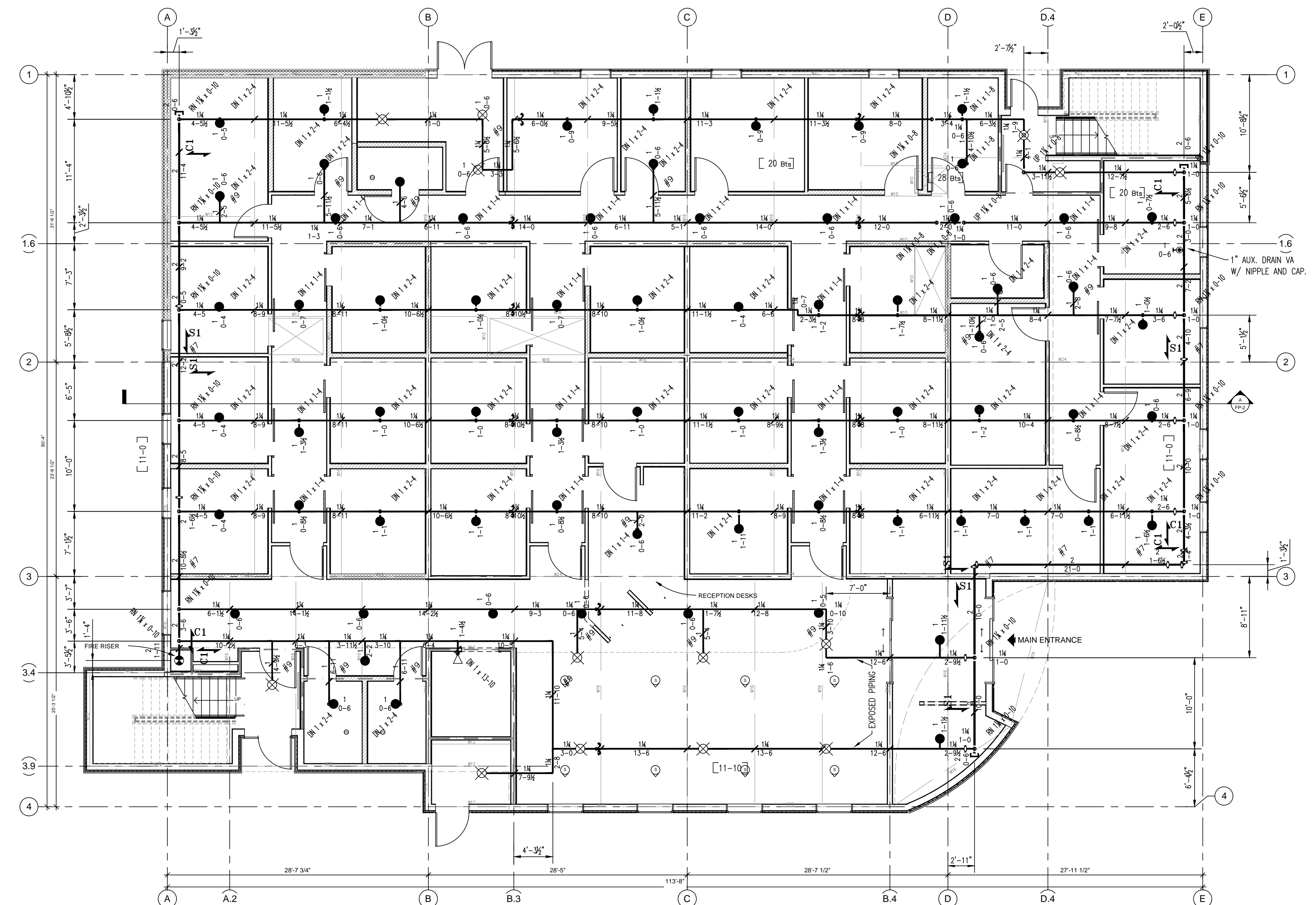


REFLECTED CEILING PLAN

- PENDENT SPRINKLERS ARE NOT NECESSARILY INTENDED TO BE CENTER OF CEILING TILES.
- SPACING OF PENDENT SPRINKLERS IS FOR LIGHT HAZARD PER NFPA 13.
- PENDENT SPRINKLERS SHALL BE CHROME WITH CHROME SEMI-RECESSED ESCUTCHEONS.
- PENDENT SPRINKLERS SHALL BE CHROME WITH WHITE 2-PIECE CANOPY ESCUTCHEONS WHERE SURFACE MOUNTED TEXTURES ARE PRESENT AND MINIMUM DISTANCES AWAY FROM THE OBSTRUCTION CAN NOT BE MET.
- * - INDICATES APPLICATION OF "SMALL ROOMS" RULE PER NFPA 13.
- INDICATES 1 HR RATED WALLS.
- ALL CEILINGS TO BE AT +9'-0" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

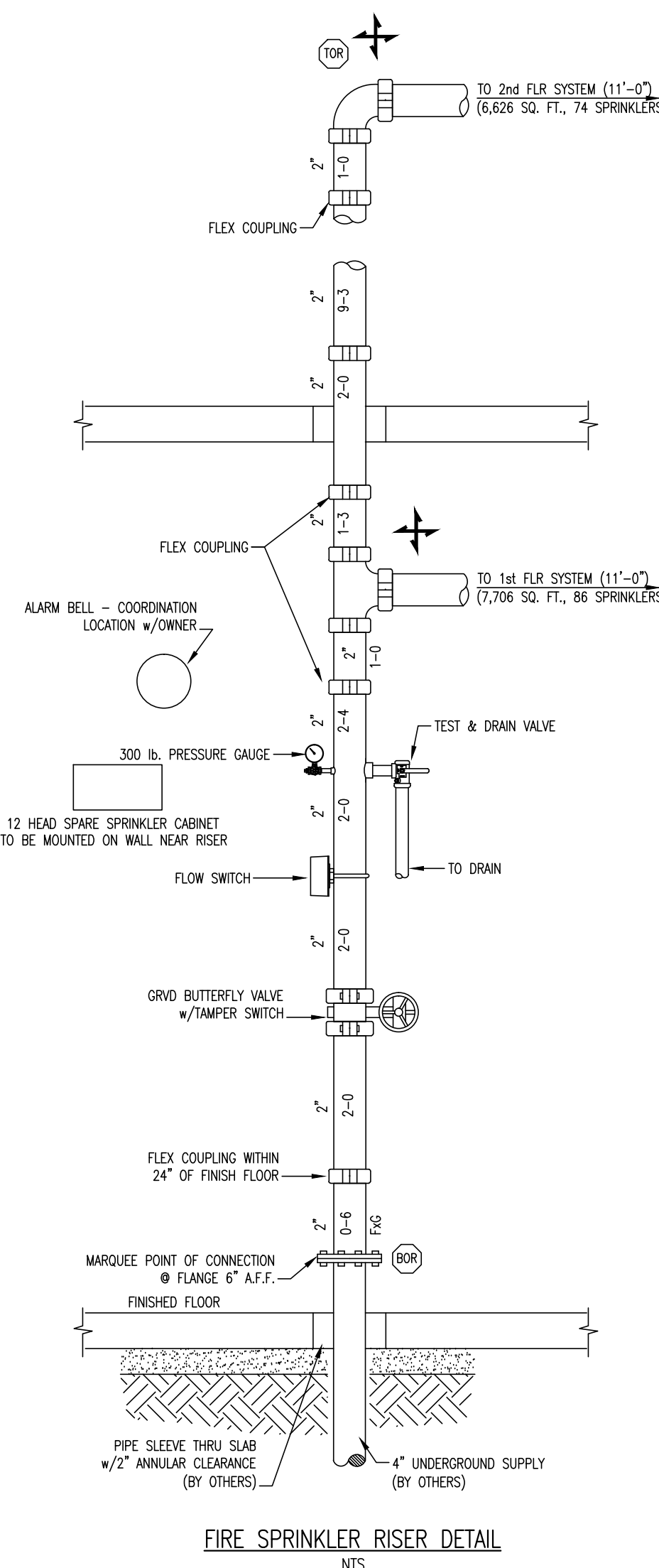


BUILDING SECTION
SCALE 1/8"=1'-0"

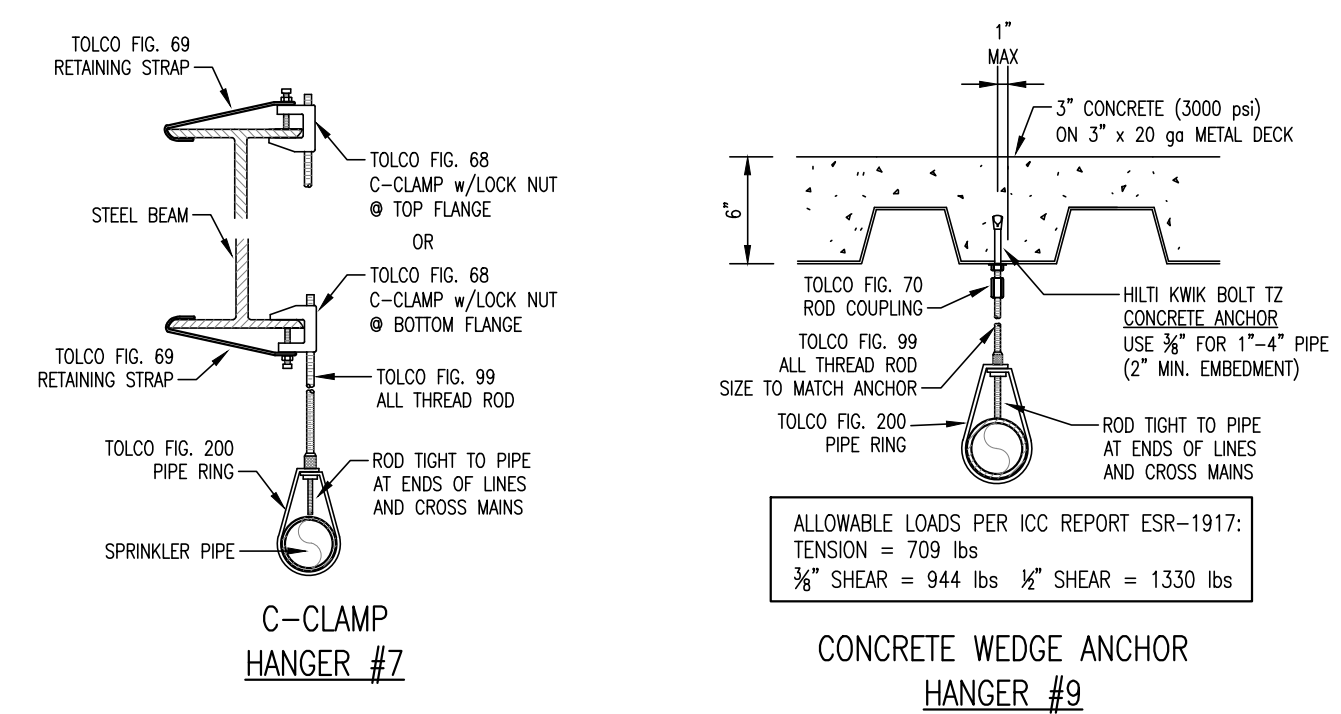


PIPING PLAN

- AT UNOBSTRUCTED CONSTRUCTION SPRINKLER DEFLECTOR SHALL BE BETWEEN 1" AND 12" BELOW THE BOTTOM OF THE CEILING. AT OBSTRUCTED CONSTRUCTION SPRINKLER DEFLECTOR SHALL NOT EXCEED 6" BELOW THE BOTTOM OF THE FRAMING. (DEFLECTOR SHALL NOT EXCEED 22" BELOW THE DECK.)
- MAIN PIPING SHALL HANG AT 11'-0" AFF. LINE PIPING SHALL HANG AT 20" BELOW THE BOTTOM OF THE DECK (11'-10" AFF).
- MAIN HANGERS SHALL BE (#9) CONC. ANCHOR WITH ALL THREAD ROD AND RING. (UNO) LINE HANGERS SHALL BE (#7) C-CLAMP W/ RETAINER STRAP, ALL THREAD ROD AND RING. (UNO) (SEE DETAILS)
- DROPS TO SPRINKLERS SHALL BE 1" x 1'-0" WITH 1" x 1/2" R.C. (UNO)
- MAIN PIPING SHALL BE SCHEDULE 10 STEEL (THINWALL) AND SHALL BE ROLL GROOVED PER NFPA 13. LINE PIPING SHALL BE SCHEDULE 40 STEEL (STANDARD) AND SHALL BE GROOVED OR THREADED PER NFPA 13.



FIRE SPRINKLER RISER DETAIL
NTS



C-CLAMP
HANGER #7

CONCRETE WEDGE ANCHOR
HANGER #9

DESIGN BUILD PROJECT:
DESIGN IS BASED UPON ISSUED CONTRACT DOCUMENTS
DATED: 1 / 17 / 2013. MARQUEE FIRE PROTECTION DESIGN
IS BASED ON ALL APPLICABLE CODES. MARQUEE FIRE
PROTECTION IS NOT RESPONSIBLE FOR ARCHITECTS AND
OWNER CHANGES.

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING
HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF
MARQUEE FIRE PROTECTION AND MAY NOT BE
DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN
CONSENT OF MARQUEE FIRE PROTECTION. AS A C-16
CONTRACTOR, OUR ERRORS AND OMISSIONS INSURANCE
REQUIRES US TO INSTALL THE FIRE SPRINKLER SYSTEM WE
DESIGN.



LEGEND	SYMBOL	DESCRIPTION
2-WAY EARTHQUAKE BRACE	[Symbol]	2-WAY EARTHQUAKE BRACE
4-WAY EARTHQUAKE BRACE	[Symbol]	4-WAY EARTHQUAKE BRACE
FLEXIBLE GROOVED COUPLING	[Symbol]	FLEXIBLE GROOVED COUPLING
ROD TO FLEX GROOVED COUPLING	[Symbol]	ROD TO FLEX GROOVED COUPLING
GROOVED CAP	[Symbol]	GROOVED CAP
HANGER NO.	[Symbol]	HANGER NO.
APPROX. HANGER LOCATION	[Symbol]	APPROX. HANGER LOCATION
HYDRAULIC REFERENCE NODE	[Symbol]	HYDRAULIC REFERENCE NODE
SYSTEM RISER	[Symbol]	SYSTEM RISER
PIPE ELEVATION	[Symbol]	PIPE ELEVATION
CEILING HEIGHT	[Symbol]	CEILING HEIGHT
UNDER WOOD JOIST	[Symbol]	UNDER WOOD JOIST
ABOVE OTHER FLOOR	[Symbol]	ABOVE OTHER FLOOR
BELOW TOP OF STEEL	[Symbol]	BELOW TOP OF STEEL
BOTTOM OF BEAM	[Symbol]	BOTTOM OF BEAM
UNDER WOOD JOIST	[Symbol]	UNDER WOOD JOIST
BELOW TOP OF STEEL	[Symbol]	BELOW TOP OF STEEL
BOTTOM OF BEAM	[Symbol]	BOTTOM OF BEAM
UNDER WOOD JOIST	[Symbol]	UNDER WOOD JOIST
BELOW TOP OF STEEL	[Symbol]	BELOW TOP OF STEEL
BOTTOM OF BEAM	[Symbol]	BOTTOM OF BEAM
UNDER WOOD JOIST	[Symbol]	UNDER WOOD JOIST
BELOW TOP OF STEEL	[Symbol]	BELOW TOP OF STEEL
BOTTOM OF BEAM	[Symbol]	BOTTOM OF BEAM
UNDER WOOD JOIST	[Symbol]	UNDER WOOD JOIST
BELOW TOP OF STEEL	[Symbol]	BELOW TOP OF STEEL
BOTTOM OF BEAM	[Symbol]	BOTTOM OF BEAM

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	69 (1/2" K=5.6) 1/2" VKG 155' CHRM QR-PENDENT VK302 MICROFAST WHITE E-1 RECESSED	[Symbol]	13 (1/2" K=5.6) 1/2" VKG 155' BRASS QR-UPRIGHT VK300 MICROFAST NONE
[Symbol]	1 (1/2" K=5.6) 1/2" VKG 200' BRASS SR-SIDEWALL VK104 MICROMATCH HEAD GUARD		

83 = TOTAL SPRINKLERS THIS SHEET

VA MEDICAL SPECIALTIES BUILDING 648 - Mather Campus 10535 Hospital Way, Mather, CA. 95655

PROJECT NO: 612-122

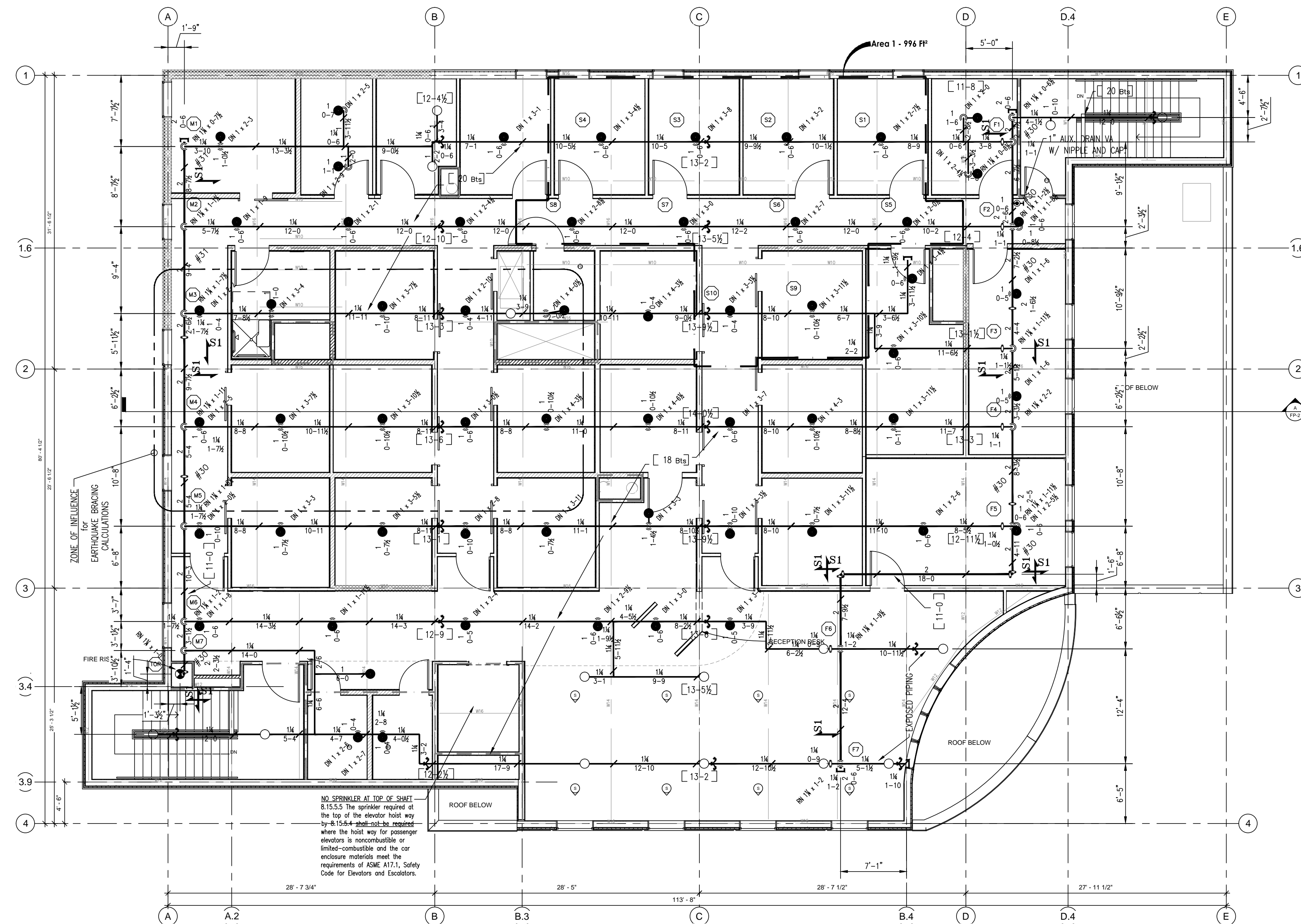
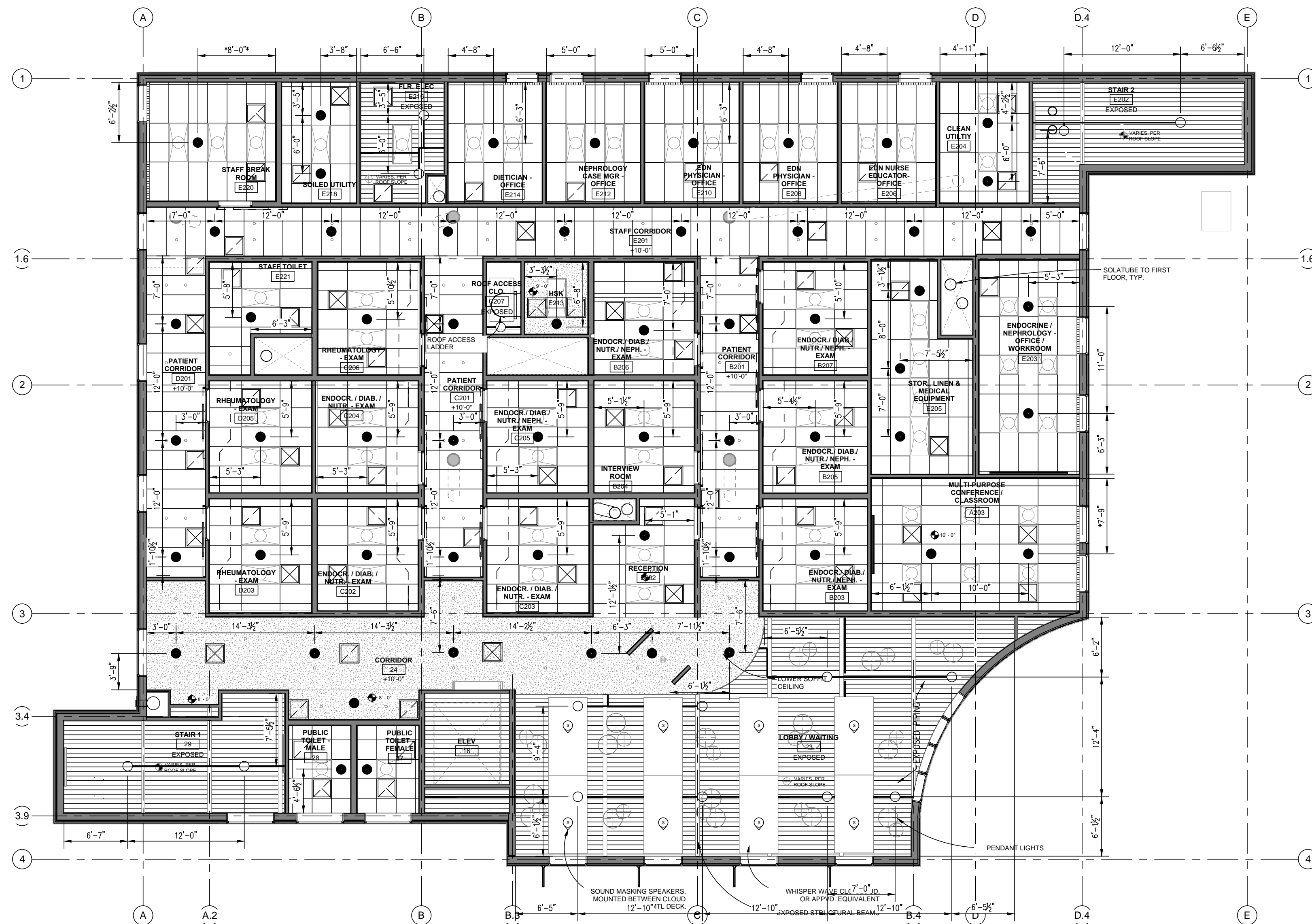
100% CONSTRUCTION DOCUMENTS

FIRST FLOOR

REV.	DATE	REVISION	BY

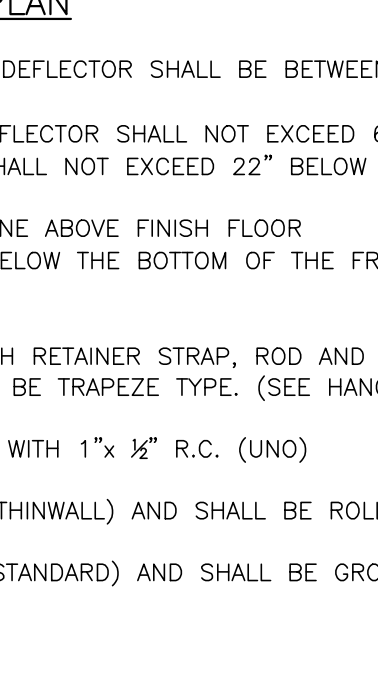
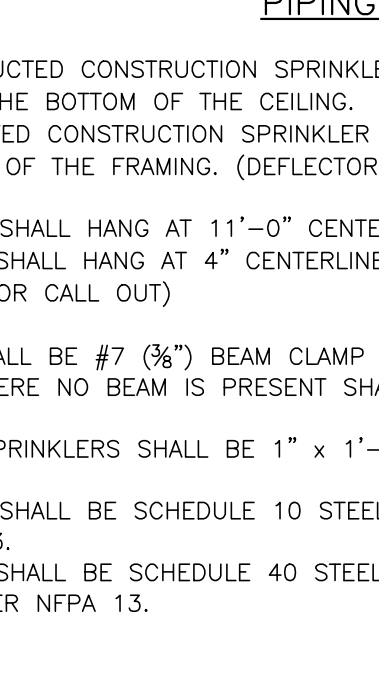
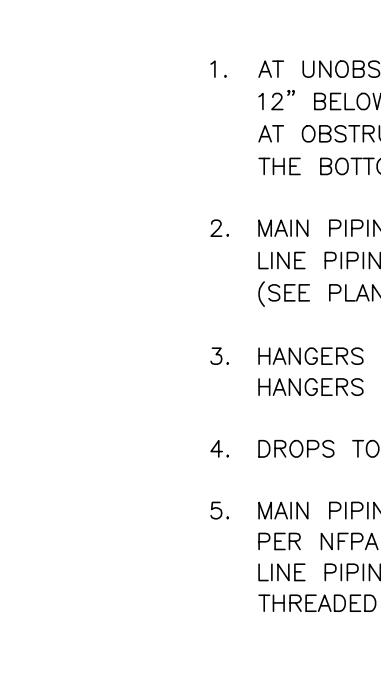
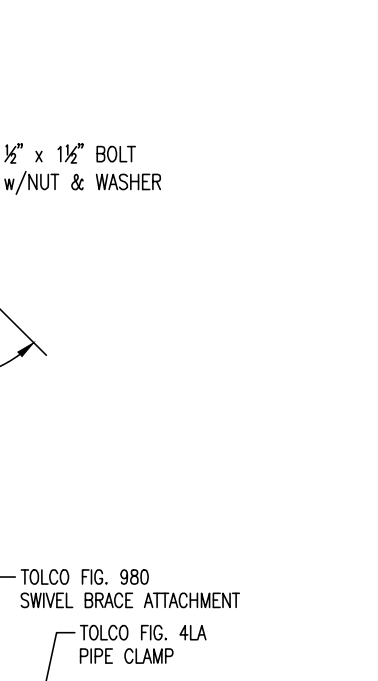
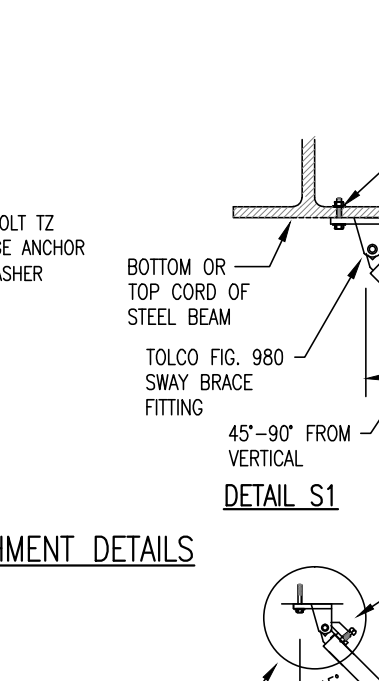
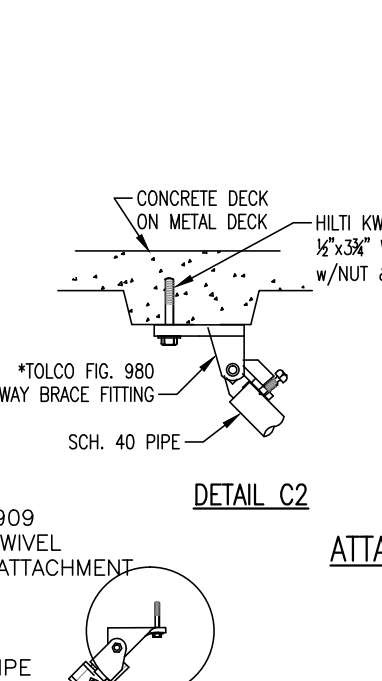
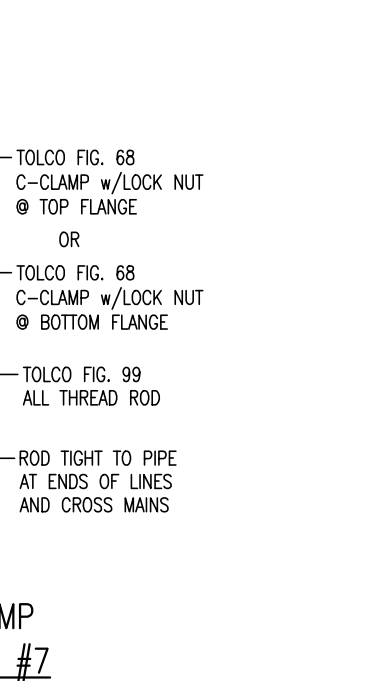
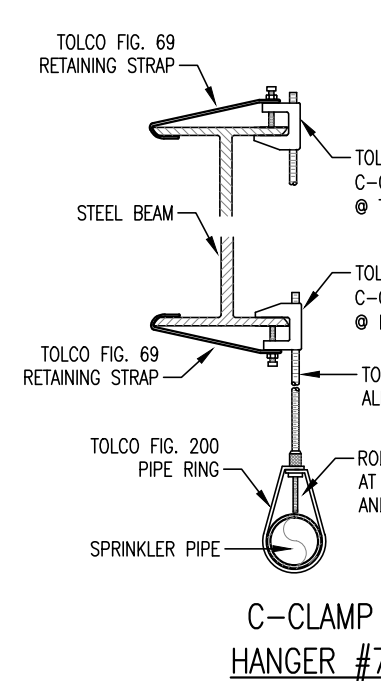
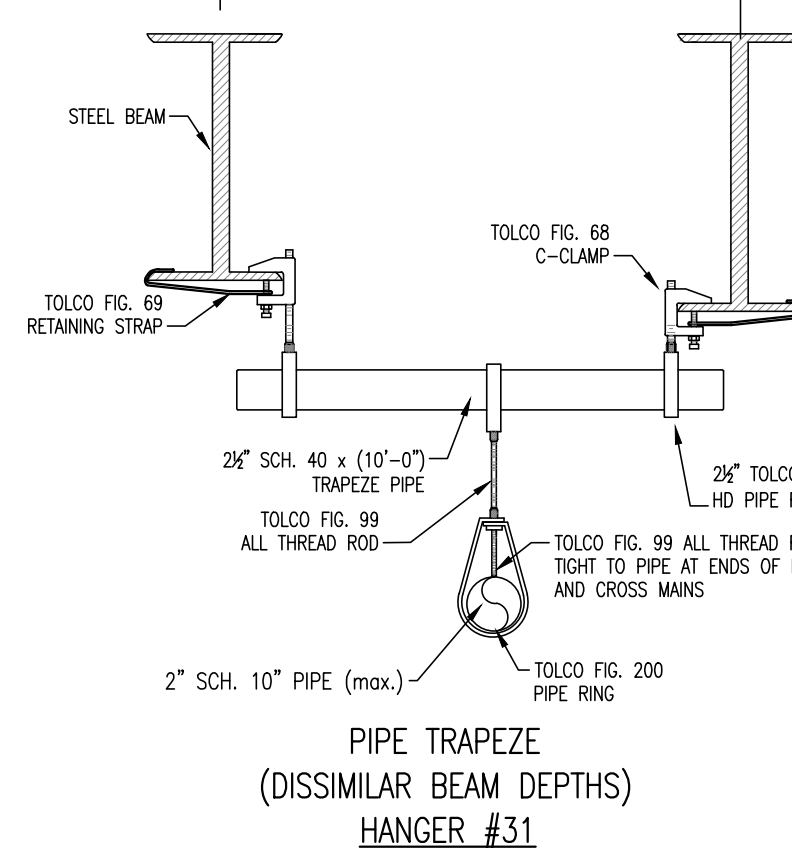
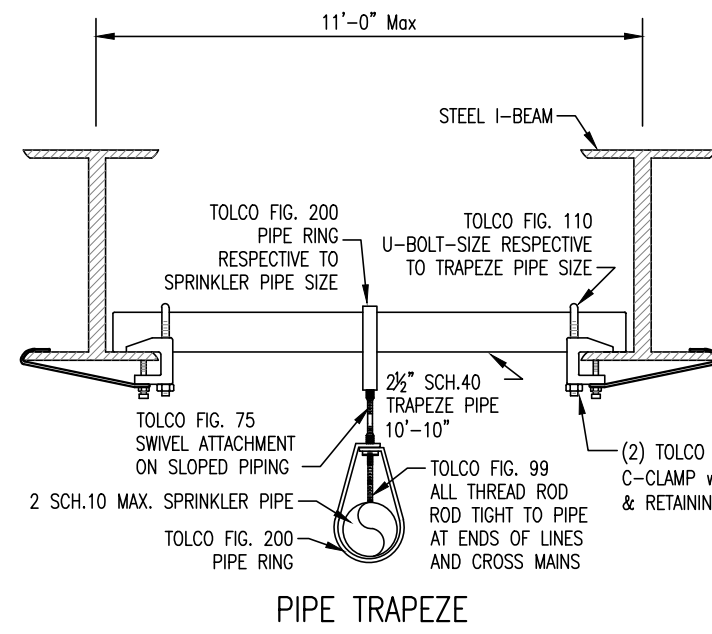
710 W. Stadium Lane
Sacramento, CA 95834-1130
TEL 916.641-7997 / 707.642-7905
FAX 916.641-0775
CA. LIC. 570970 C-16

Date: 05/12/14
Contract With: Syska Hennessy Group
Scale: 1/8" = 1'-0"
Drawn: Tom Hintz
Job No: 1812-951
Sheet: FP-2
Of 3 Sheets



REFLECTED CEILING PLAN

- PENDENT SPRINKLERS ARE NOT NECESSARILY INTENDED TO BE CENTER OF CEILING TIERS.
- SPACING OF PENDENT SPRINKLERS IS FOR LIGHT HAZARD PER NFPA 13.
- PENDENT SPRINKLERS SHALL BE CHROME WITH CHROME SEMI-RECESSED ESCUTCHEONS.
- PENDENT SPRINKLERS SHALL BE CHROME WITH WHITE 2-PIECE CANOPY ESCUTCHEONS WHERE SURFACE MOUNTED FIXTURES ARE PRESENT AND MINIMUM DISTANCES AWAY FROM THE OBSTRUCTION CAN NOT BE MET.
- * - INDICATES APPLICATION OF "SMALL ROOMS" RULE PER NFPA 13.
- ===== INDICATES 1 HR RATED WALLS.
- ALL CEILINGS TO BE AT +9'-0" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.



PIPING PLAN

- AT UNOBSTRUCTED CONSTRUCTION SPRINKLER DEFLECTOR SHALL BE BETWEEN 1" AND 12" BELOW THE BOTTOM OF THE CEILING.
AT OBSTRUCTED CONSTRUCTION SPRINKLER DEFLECTOR SHALL NOT EXCEED 22" BELOW THE BOTTOM OF THE FRAMING. (DEFLECTOR SHALL NOT EXCEED 22" BELOW THE DECK.)
- MAIN PIPING SHALL HANG AT 11'-0" CENTERLINE ABOVE FINISH FLOOR LINE PIPING SHALL HANG AT 4" CENTERLINE BELOW THE BOTTOM OF THE FRAMING. (SEE PLAN FOR CALL OUT)
- HANGERS SHALL BE #7 (3/8") BEAM CLAMP WITH RETAINER STRAP, ROD AND PIPE RING. HANGERS WHERE NO BEAM IS PRESENT SHALL BE TRAPEZE TYPE. (SEE HANGER DETAILS)
- DROPS TO SPRINKLERS SHALL BE 1" x 1'-0" WITH 1" x 3/4" R.C. (UNO)
- MAIN PIPING SHALL BE SCHEDULE 10 STEEL (THINWALL) AND SHALL BE ROLL GROOVED PER NFPA 13.
LINE PIPING SHALL BE SCHEDULE 40 STEEL (STANDARD) AND SHALL BE GROOVED OR THREADED PER NFPA 13.

SEISMIC BRACING CALCULATIONS (PER NFPA 13)				
MARQUEE FIRE PROTECTION 710 WEST STADIUM LANE SACRAMENTO, CA 95834 PHONE: (916) 641-7997 FAX: (916) 641-0775 DESIGNER: Mel Davis				
DATE: 12/19/13 SHEET 1 OF 1 PROJECT: VA Medical Specialties Bldg 648 ADDRESS: 10535 Hospital Way Mather, Ca 95655				
BRACE IDENTIFICATION No. S1				
LATERAL BRACE: X				
LONGITUDINAL BRACE: X				
BRACE INFORMATION				
LENGTH OF SWAY BRACE: 7'-0"				
DIAMETER OF SWAY BRACE: 1"				
TYPE OF BRACE: SCH. 40				
ANGLE OF BRACE: 45°-30'				
LEAST RADIUS OF GYRATION: 421				
L/R VALUE: 200				
MAXIMUM HORIZONTAL LOAD: 1310 lbs.				
FASTENER INFORMATION				
ORIENTATION OF CONNECTING SURFACE: B				
FASTENER TYPE: CONNECTION TO STEEL				
DIAMETER: 1/2"				
LENGTH: 200				
MAXIMUM LOAD: 2050 lbs.				
SPRINKLER SYSTEM LOAD CALCULATION (F _{pw} =C _p W)				
PIPE DIAMETER	PIPE TYPE	PIPE LENGTHS	WEIGHT PER FT	TOTAL WEIGHT (F _{pw})
1"	SCH. 40	0	2.05	0.00
1 1/2"	SCH. 40	0	2.93	0.00
1 1/2"	SCH. 40	0	3.61	0.00
2"	SCH. 40	80	5.13	410.40
2 1/2"	SCH. 10	0	5.89	0.00
3"	SCH. 10	0	7.94	0.00
4"	SCH. 10	0	11.78	0.00
6"	SCH. 10	0	23.03	0.00
TOTAL LOAD - WEIGHT OF WATER FILLED PIPE =				164.16 lbs.
TOTAL LOAD x 15% =				188.78 lbs.

SEISMIC BRACING CALCULATIONS (PER NFPA 13)				
MARQUEE FIRE PROTECTION 710 WEST STADIUM LANE SACRAMENTO, CA 95834 PHONE: (916) 641-7997 FAX: (916) 641-0775 DESIGNER: Mel Davis				
DATE: 12/19/13 SHEET 1 OF 1 PROJECT: VA Medical Specialties Bldg 648 ADDRESS: 10535 Hospital Way Mather, Ca 95655				
BRACE IDENTIFICATION No. S1				
LATERAL BRACE: X				
LONGITUDINAL BRACE: X				
BRACE INFORMATION				
LENGTH OF SWAY BRACE: 7'-0"				
DIAMETER OF SWAY BRACE: 1"				
TYPE OF BRACE: SCH. 40				
ANGLE OF BRACE: 45°-30'				
LEAST RADIUS OF GYRATION: 421				
L/R VALUE: 200				
MAXIMUM HORIZONTAL LOAD: 1310 lbs.				
FASTENER INFORMATION				
ORIENTATION OF CONNECTING SURFACE: B				
FASTENER TYPE: CONNECTION TO STEEL				
DIAMETER: 1/2"				
LENGTH: 200				
MAXIMUM LOAD: 2050 lbs.				
SPRINKLER SYSTEM LOAD CALCULATION (F _{pw} =C _p W)				
PIPE DIAMETER	PIPE TYPE	PIPE LENGTHS	WEIGHT PER FT	TOTAL WEIGHT (F _{pw})
1"	SCH. 40	37.54	2.05	76.96
1 1/2"	SCH. 40	91.04	2.93	266.75
1 1/2"	SCH. 40	0	3.61	0.00
2"	SCH. 40	32.0	5.13	164.16
2 1/2"	SCH. 10	0	5.89	0.00
3"	SCH. 10	0	7.94	0.00
4"	SCH. 10	0	11.78	0.00
6"	SCH. 10	0	23.03	0.00
TOTAL LOAD - WEIGHT OF WATER FILLED PIPE =				203.15 lbs.
TOTAL LOAD x 15% =				233.62 lbs.

Cp value per NFPA 13 - 2010 table 9.3.5.6.2

Ss = 0.461

461 = 0.40

SEISMIC COEFFICIENT

PER 2005 ASCE 7 Standard

Latitude = 38.57328 Longitude = -121.29685

Spectral Response Accelerations Ss and S1

Ss and S1 = Mapped Spectral Acceleration Values

Site Class B - 1.0 to 1.0, F₁ = 1.0

Data are based on a 0.01 sec grid spacing

Period Sa

(sec)

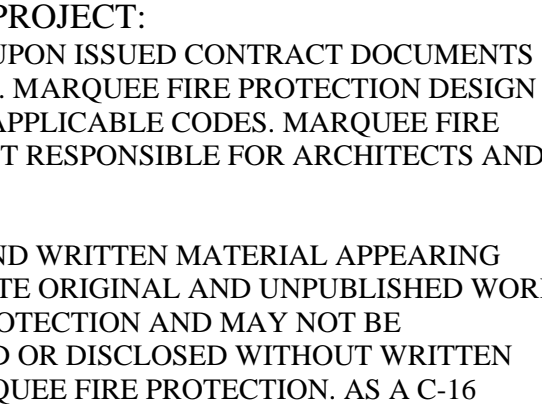
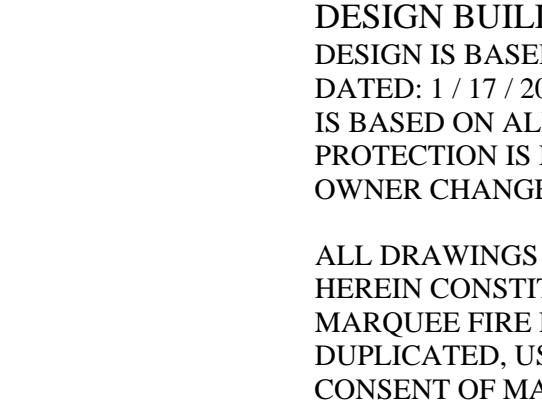
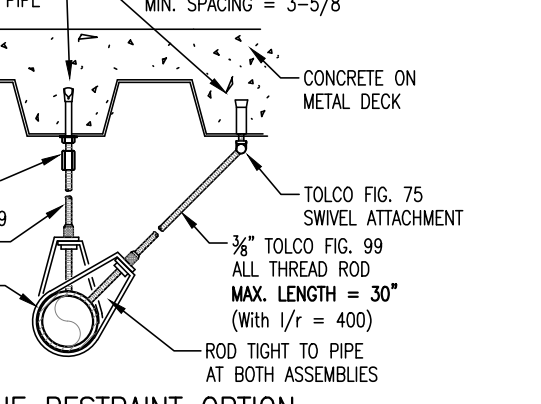
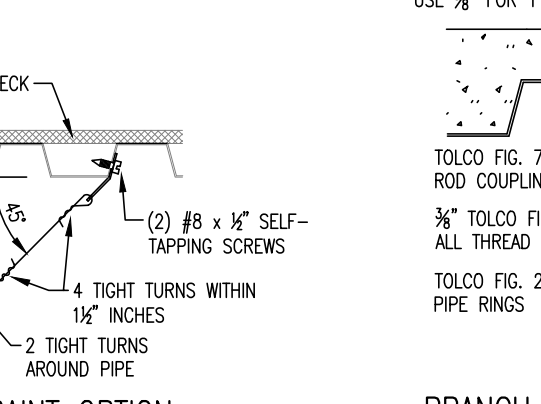
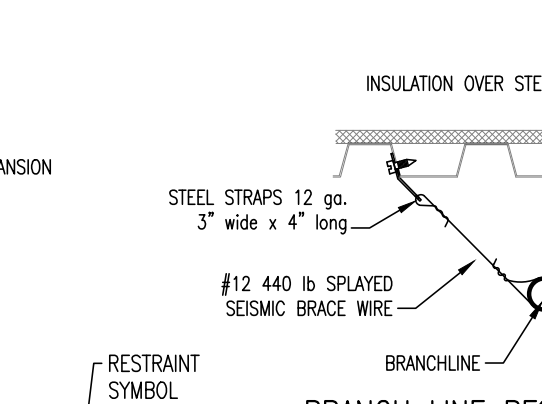
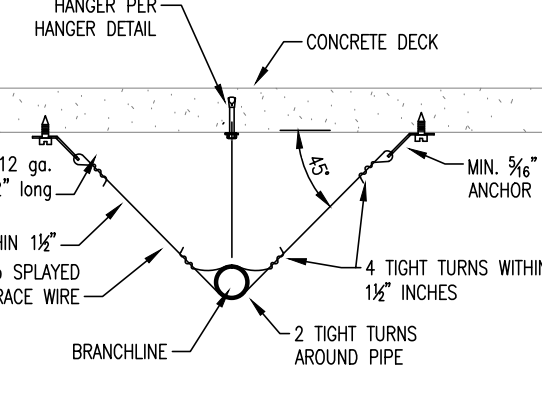
0.2 0.461 (Ss, Site Class B)

1.0 0.214 (S1, Site Class B)

MAX SPACING OF STEEL BRANCH LINE RESTRAINTS PER NFPA Table 9.3.6.4(a)				
PIPE (IN.)	SEISMIC COEFFICIENT (Cp)	SEISMIC COEFFICIENT (Cp)	SEISMIC COEFFICIENT (Cp)	SEISMIC COEFFICIENT (Cp)
1"	46	36	26	26
1 1/2"	43	39	27	27
1 1/2"	49	41	29	29
2"	53	45	31	31

BRANCH LINE RESTRAINT NOTES

- BRANCH LINE RESTRAINT SHALL BE PROVIDED BY THE US OF ONE OF THE FOLLOWING (PER NFPA 13, 2010 ed., SECTION 9.3.6.1):
 - A LISTED SWAY BRACE ASSEMBLY (SEE SEISMIC BRACING DETAILS).
 - No. 12, 440 LB WIRE INSTALLED AT LEAST 45° FROM THE VERTICAL PLANE AND ANCHORED ON BOTH SIDES OF THE PIPE. WIRE RESTRAINT SHALL BE LOCATED WITHIN 24" OF A HANGER PER 9.3.6.2.
 - A HANGER NOT LESS THAN 45° FROM VERTICAL INSTALLED WITHIN 6" OF THE VERTICAL HANGER ARRANGED FOR RESTRAINT AGAINST UPWARD MOVEMENT. PROVIDED IT IS UTILIZED SUCH THAT 1/4" DOES NOT EXCEED 400, WHERE THE ROD SHALL EXTEND TO THE PIPE OR HAVE A SURGE CLIP INSTALLED. MAX LENGTH OF 3/8" ROD = 30"
- THE END SPRINKLER ON A LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT PER 9.3.6.3.
- BRANCH LINES SHALL BE LATERALLY RESTRAINED AT INTERVALS NOT EXCEEDING THOSE SPECIFIED IN TABLE 9.3.6.4(a) BASED ON BRANCH LINE DIAMETER AND THE VALUE OF Cp (PER 9.3.6.4 AND TABLE 9.3.6.4(a)). Cp = 40
- WHERE BRANCH LINES ARE SUPPORTED BY RODS LESS THAN 6" LONG MEASURED BETWEEN THE TOP OF THE PIPE AND THE POINT OF ATTACHMENT TO THE STRUCTURE, BRANCH LINE RESTRAINT SHALL NOT BE REQUIRED PER 9.3.6.5.
- SPRINGS 4 FT OR LONGER SHALL BE RESTRAINED AGAINST LATERAL MOVEMENT.
- DROPS AND ARMORS SHALL NOT REQUIRE RESTRAINT.



DESIGN BUILD PROJECT:
DESIGN IS BASED UPON ISSUED CONTRACT DOCUMENTS
DATED: 1/17/2013. MARQUEE FIRE PROTECTION DESIGN
IS BASED ON ALL APPLICABLE CODES. MARQUEE FIRE
PROTECTION IS NOT RESPONSIBLE FOR ARCHITECTS AND
OWNER CHANGES.

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING
HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF
MARQUEE FIRE PROTECTION AND MAY NOT BE
DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN
CONSENT OF MARQUEE FIRE PROTECTION. AS A C-16
CONTRACTOR, OUR ERRORS AND OMISSIONS INSURANCE
REQUIRES US TO INSTALL THE FIRE SPRINKLER SYSTEM WE
DESIGN.

100% CONSTRUCTION DOCUMENTS

REV	DATE	BY	DATE

REVISION	DATE

Date:	05/12/14
Contract With:	Syska Hennessy Group
Scale:	1/8" = 1'-0"
Drawn:	Mel Davis
Job No:	1812-951
Sheet:	FP-3
Of	3 Sheets

VA MEDICAL SPECIALTIES BUILDING 648 - Mather Campus

10535 Hospital Way,

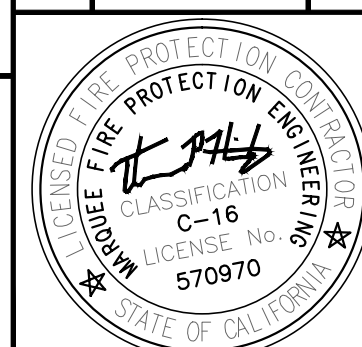
Mather, CA. 95655

SECOND FLOOR

MARQUEE

FIRE PROTECTION

710 W. Stadium Lane
Sacramento, CA 95834-1130
TEL 916 641-7997 / 707 642-7905
FAX 916 641-0775
CA. LIC. 570970 C-16



LEGEND	SYMBOL	DESCRIPTION
1" - 2" W/4 EARTHQUAKE BRACE	[Symbol]	1" - 2" W/4 EARTHQUAKE BRACE
4" - 6" W/4 EARTHQUAKE BRACE	[Symbol]	4" - 6" W/4 EARTHQUAKE BRACE
8" - 10" W/4 EARTHQUAKE BRACE	[Symbol]	8" - 10" W/4 EARTHQUAKE BRACE
12" - 14" W/4 EARTHQUAKE BRACE	[Symbol]	12" - 14" W/4 EARTHQUAKE BRACE
16" - 18" W/4 EARTHQUAKE BRACE	[Symbol]	16" - 18" W/4 EARTHQUAKE BRACE
20" - 22" W/4 EARTHQUAKE BRACE	[Symbol]	20" - 22" W/4 EARTHQUAKE BRACE
24" - 26" W/4 EARTHQUAKE BRACE	[Symbol]	24" - 26" W/4 EARTHQUAKE BRACE
28" - 30" W/4 EARTHQUAKE BRACE	[Symbol]	28" - 30" W/4 EARTHQUAKE BRACE
32" - 34" W/4 EARTHQUAKE BRACE	[Symbol]	32" - 34" W/4 EARTHQUAKE BRACE
36" - 38" W/4 EARTHQUAKE BRACE	[Symbol]	36" - 38" W/4 EARTHQUAKE BRACE
40" - 42" W/4 EARTHQUAKE BRACE	[Symbol]	40" - 42" W/4 EARTHQUAKE BRACE
44" - 46" W/4 EARTHQUAKE BRACE	[Symbol]	44" - 46" W/4 EARTHQUAKE BRACE
48" - 50" W/4 EARTHQUAKE BRACE	[Symbol]	48" - 50" W/4 EARTHQUAKE BRACE
52" - 54" W/4 EARTHQUAKE BRACE	[Symbol]	52" - 54" W/4 EARTHQUAKE BRACE
56" - 58" W/4 EARTHQUAKE BRACE	[Symbol]	56" - 58" W/4 EARTHQUAKE BRACE
60" - 62" W/4 EARTHQUAKE BRACE	[Symbol]	60" - 62" W/4 EARTHQUAKE BRACE
64" - 66" W/4 EARTHQUAKE BRACE	[Symbol]	64" - 66" W/4 EARTHQUAKE BRACE
68" - 70" W/4 EARTHQUAKE BRACE	[Symbol]	68" - 70" W/4 EARTHQUAKE BRACE
72" - 74" W/4 EARTHQUAKE BRACE	[Symbol]	72" - 74" W/4 EARTHQUAKE BRACE
76" - 78" W/4 EARTHQUAKE BRACE	[Symbol]	76" - 78" W/4 EARTHQUAKE BRACE
80" - 82" W/4 EARTHQUAKE BRACE	[Symbol]	80" - 82" W/4 EARTHQUAKE BRACE
84" - 86" W/4 EARTHQUAKE BRACE	[Symbol]	84" - 86" W/4 EARTHQUAKE BRACE
88" - 90" W/4 EARTHQUAKE BRACE	[Symbol]	88" - 90" W/4 EARTHQUAKE BRACE
92" - 94" W/4 EARTHQUAKE BRACE	[Symbol]	92" - 94" W/4 EARTHQUAKE BRACE
96" - 98" W/4 EARTHQUAKE BRACE	[Symbol]	96" - 98" W/4 EARTHQUAKE BRACE
100" - 102" W/4 EARTHQUAKE BRACE	[Symbol]	100" - 102" W/4 EARTHQUAKE BRACE
104" - 106" W/4 EARTHQUAKE BRACE	[Symbol]	104" - 106" W/4 EARTHQUAKE BRACE
108" - 110" W/4 EARTHQUAKE BRACE	[Symbol]	108" - 110" W/4 EARTHQUAKE BRACE
112" - 114" W/4 EARTHQUAKE BRACE	[Symbol]	112" - 114" W/4 EARTHQUAKE BRACE
116" - 118" W/4 EARTHQUAKE BRACE	[Symbol]	116" - 118" W/4 EARTHQUAKE BRACE
120" - 122" W/4 EARTHQUAKE BRACE	[Symbol]	120" - 122" W/4 EARTHQUAKE BRACE
124" - 126" W/4 EARTHQUAKE BRACE	[Symbol]	124" - 126" W/4 EARTHQUAKE BRACE
128" - 130" W/4 EARTHQUAKE BRACE	[Symbol]	128" - 130" W/4 EARTHQUAKE BRACE
132" - 134" W/4 EARTHQUAKE BRACE	[Symbol]	132" - 134" W/4 EARTHQUAKE BRACE
136" - 138" W/4 EARTHQUAKE BRACE	[Symbol]	136" - 138" W/4 EARTHQUAKE BRACE
140" - 142" W/4 EARTHQUAKE BRACE	[Symbol]	140" - 142" W/4 EARTHQUAKE BRACE
144" - 146" W/4 EARTHQUAKE BRACE	[Symbol]	144" - 146" W/4 EARTHQUAKE BRACE
148" - 150" W/4 EARTHQUAKE BRACE	[Symbol]	148" - 150" W/4 EARTHQUAKE BRACE
152" - 154" W/4 EARTHQUAKE BRACE	[Symbol]	152" - 154" W/4 EARTHQUAKE BRACE
156" - 158" W/4 EARTHQUAKE BRACE	[Symbol]	156" - 158" W/4 EARTHQUAKE BRACE
160" - 162" W/4 EARTHQUAKE BRACE	[Symbol]	160" - 162" W/4 EARTHQUAKE BRACE